

Appl. No. 10/789,210

Attorney Docket No. 26.0273 US

Response Dated 22 January 2008

Reply to Office Action of October 21 2008

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This listing of claims will replace all prior version, and listings, of claims in the application:

Listing of Claims:

1-73. (cancelled)

74. (currently amended) A method for displaying sonic logging data associated with an earth formation surrounding a borehole, the method comprising:

acquiring sonic data at a plurality of depths in a borehole;

processing the acquired sonic data to generate a slowness-versus-frequency dispersion curve for each depth;

displaying a projection log of dispersion curve data for each depth versus depth including homogeneous and inhomogeneous characteristics of the dispersion curve data.

75-79. (cancelled)